

## EAST Search History

| Ref # | Hits    | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|--|------------------|---------|------------------|
| L1    | 89275   | pwm or (pulse adj width adj modulat\$3)                           | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/06/10 12:55 |
| L2    | 3161420 | switch\$3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/06/10 12:55 |
| L3    | 334579  | sens\$3 near12 temperatur\$3                                      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/06/10 13:39 |
| L4    | 57281   | 1 and 2   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/06/10 12:56 |
| L5    | 698417  | lamp\$1   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/06/10 12:56 |
| L6    | 6634    | 4 and 5   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/06/10 12:57 |
| L7    | 1279    | 3 and 6   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/06/10 13:00 |
| L8    | 25      | 7 and ((vary\$3 or var\$3) with brightness with (duty adj cycle)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/06/10 13:09 |

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|     |       |   |  |    |    |                  |
|-----|-------|---|--|----|----|------------------|
| L9  | 29    | 7 and ((vary\$3 or var\$3) with brightness with pwm)    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/10 13:10 |
| L10 | 122   | 7 and ((vary\$3 or var\$3) with brightness)             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/10 13:10 |
| L11 | 43    | 10 and reduc\$3 and (duty adj cycle) and predetermin\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/10 13:21 |
| L12 | 18    | (scolaro near9 martin).in.                              | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/10 13:12 |
| L13 | 0     | 10 and (lapm with series with switch\$3)                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/10 13:21 |
| L14 | 10008 | 5 and (lamp with series with switch\$3)                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/10 13:23 |
| L15 | 325   | 4 and 14  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/10 13:23 |
| L16 | 19    | 3 and 15  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/10 13:24 |

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|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| L17 | 412644 | sens\$3 with (temperatur\$3 or heat\$3)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 13:40 |
| L18 | 7843   | 4 and 17  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 13:41 |
| L19 | 434    | 18 and brightness and (duty adj cycle)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 14:14 |
| L20 | 107    | 19 and ((exceed\$3 near3 temperatur\$3) or overheat\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 14:07 |
| L21 | 2      | "20050225256"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 13:50 |
| L22 | 0      | 21 and (control\$3 with input with terminal)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 13:52 |
| L23 | 1      | 21 and (input with terminal)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 13:55 |
| L24 | 29     | 20 and (pwm with driv\$3)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 13:55 |

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|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| L25 | 25     | "6198234"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 14:08 |
| L26 | 0      | 25 and overheat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 14:08 |
| L27 | 5      | 25 and overheat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 14:11 |
| L28 | 89     | 19 and overheat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 14:14 |
| L29 | 1317   | 4 and brightness and (duty adj cycle)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 14:14 |
| L30 | 130    | 29 and overheat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 14:14 |
| L31 | 114    | 30 and reduc\$3 and (var\$3 or vary\$3)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 14:28 |
| L32 | 143968 | (spotlight or portable or flash\$3) with (lamp or light\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 14:29 |

## EAST Search History

|     |    |  |   |    |    |                  |
|-----|----|--|---|----|----|------------------|
| L33 | 34 | 32 and batter\$3 and overheat\$3 and switch\$3 and pwm and (duty adj cycle) and sens\$3 and temperature and reduc\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/10 14:32 |
|-----|----|--|---|----|----|------------------|